MICOM-Z - HF-SSB Radio

Technologically advanced, cost effective long range communication solution

Elbit Systems™
Land and C4I

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MICOM-Z reflects and incorporates more than 30 years of technology leadership in radio communication

MICOM-Z is the best available HF-SSB radio of its kind, a highly sophisticated, cost effective, user friendly software based radio

MICOM-Z is available in flexible radio packages designed to meet the needs of a wide range of organizations and operational requirements

Software Defined Radio

MICOM-Z Radio's innovative software based design redefines flexibility. Excellent performance, dependable quality, and the highest accuracy calibration of all its functions make this radio ideal for every mission. The Digital signal processing is based on an open architecture, facilitating Future-proof upgrades and fast adaptations to specific requirements, now and tomorrow

The market's most interoperable HF radio ensures fast and simple link set-up

MICOM-Z can simultaneously operate according to various wave form signaling standards, a unique feature that makes it the most practical HF radio for every operating application.

- ALE (Automatic Link Establishment) per MIL-STD-188-141B
- CCIR 493 – 4 & 6 Digi selcall per UN-WGET interoperability agreement.

Voice that is loud & clear

- Voice-activated digital squelch.
- ClearCom – cutting edge built in de-noising algorithms and filters for exceptional voice communication clarity.

Wide selection of options and accessories

- Robust, Adaptive (optional) VOCODER for the highest audio intelligibility and quality.
- antenna systems for fixed and mobile applications
- HF Data modems, AES digital encryption
- AC/DC power supplies
- Audio accessories
- And much more...

Comprehensive communication and networking services

MICOM-Z supports a very broad range of communication solutions, including secure voice, e-mail and data transmissions, through the deployment of external modem and audio accessories.

- AMD (SMS-like text messages) for pre-set or operator-defined text messages point to point or point to multi point.
- Internal GPS for positional data, telemetry and AVL applications.
- Wide range of antenna systems for maximum reliability and performance.

Just 3 modules for easy, cost effective maintenance

- Designed and produced for efficient stock management, simplified logistics and minimal maintenance costs.
- Easily replaceable digital components for low MTTR.
- High MTBF, as with all MICOM radios.
- A comprehensive multilevel Built-in Test (BIT).

User Friendly

- Large Digital front panel display and Key board for easy programming.
- Intuitive, menu-driven MMI.
- User friendly Radio Control & Programming with single easy to use PC software.
- Versatile mounting configuration for fixed and mobile applications.

Quality Assurance

- MICOM-Z complies with the most demanding international quality assurance standards, it is manufactured, inspected and tested its for the highest level of component and workmanship quality.

Accelerated Life Test (ALT)

- Before being approved for production, MICOM-Z passed Rigorous Accelerated Life Testing. ALT is a comprehensive program of environmental, Electrical and operational abuse tests, simulating years of field stress. This ensures high product durability and many years of trouble free operations.

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All in one product

- Automatic Selection of multiple signaling standards
- Cutting edge digital signal processing for exceptional audio clarity
- Impeccable product Quality, simple to use and easy to maintain
- Cost effective radio package with flexible field mounting capabilities

General Specifications

- Frequency Range 1.6 to 30 MHz
- Transmit power: 125 Watts
- Frequency Resolution 10 Hz
- Operating Temperature Range -30° to +60°C
- Storage Temperature Range -40° to +85°C
- Humidity Max. 95% @ 50°C
- Modes of Operation SSB(J3E), PILOT(R3E), AME(H3E), CW(J2E)
- Operating Voltage 13.8 vdc ±20%, negative ground
- ALE Per MIL STD 188-141B
- CCIR 493 4&6 Digits Per UN-WGT Interoperability agreement Supports Beacon Call & GPS Call
- Size and Weight
  Front mount radio WxHxD mm: 225x92x244.5; 4 Kgs
  Trunk mount radio WxHxD mm: 225x92x239; 4 Kgs
  Control head WxHxD mm: 188x72x61.8; 0.5 Kgs

Optional vocoder and/or AES encryption are subject to export license.

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